

ABSTRACT OF THE DISCLOSURE

VARIABLE VALVE

- 5 A variable valve comprising a first cylinder having an aperture and a second cylinder having a second aperture. The first cylinder moves between a first position and a second position. Preferably, the second cylinder moves in cooperation with the first cylinder such that the first aperture and the second aperture form a variable sized opening when the first cylinder moves from the first position toward the second position.
- 10 The first aperture and the second aperture preferably rotate. The variable sized opening is preferably in a closed position when in the first position. The valve comprises a block body including a passage for allowing air to pass therethrough. The first cylinder and the second cylinder are coupled to the block body and configured in a predetermined position such that the variable sized opening is in communication with the
- 15 passage. The valve also includes an axle for driving the first cylinder and the second cylinder.